REPORT TO THE 2019 LEGISLATURE

Annual Report on Net-Zero Energy for the University of Hawai‘i

HRS 304A-119

December 2018
The governor signed into law Act 99 (SLH 2015) which established a collective goal for the University of Hawai‘i “to become net-zero with respect to energy use, producing as much (renewable) energy as the system consumes across all campuses by January 1, 2035."

This report details progress toward the Net-Zero energy goal in year 2018 compared to the baseline established in year 2015; and supports proposed legislation that helps shape the energy landscape at UH in the 2019 legislative session.

<table>
<thead>
<tr>
<th>NET-ZERO DASHBOARD for FY2017-18</th>
<th>Energy (kWh)</th>
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<tbody>
<tr>
<td>Total Energy Consumed(^1)</td>
<td>195,025,146</td>
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<tr>
<td>Total Renewable Energy Provided</td>
<td>5,924,674</td>
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\(^1\) Includes non-campus facilities
PLANS

There are key components to reaching Net-Zero by 2035. The following are the University’s plans in those areas:

Energy Management

(a) Refine the energy resource plan for the UH System that balances generation from a renewable portfolio and improves energy efficiency.
(b) Continue to improve metering and submetering to provide detailed energy tracking.

Efficiency & Generation

(a) Continue to install efficient equipment including lighting, HVAC equipment, office equipment, and lab equipment.
(b) Continue to maximize the potential of PV and other renewable generation.
(c) Continue to grow energy storage capacity to optimize utility demand and increase resiliency.

Social Initiatives

(a) Tracking, harnessing and reinvesting funds from energy savings via the Green Revolving Fund.
(b) Requiring Building Design and Performance Standards and the consideration of life cycle costs of energy efficient design and construction.